AUTODOC CLUB

How to change front lower arm on **Mercedes W203** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ C-Class T-modell (S204) C 250 CGI (204.247), MERCEDES-BENZ C-Class Saloon (W204) C 180 CDI (204.000), MERCEDES-BENZ C-Class Saloon (W204) C 200 CDI (204.001), MERCEDES-BENZ C-Class Saloon (W204) C 350 (204.057), MERCEDES-BENZ C-Class T-modell (S204) C 200 CDI (204.201), MERCEDES-BENZ C-Class T-modell (S204) C 180 CGI (204.249), MERCEDES-BENZ C-Class Saloon (W204) C 350 CDI (204.023), MERCEDES-BENZ E-Class Coupe (C207) E 300 (207.355), MERCEDES-BENZ E-Class Coupe (C207) E 350 (207.359), MERCEDES-BENZ E-Class Convertible (A207) E 300 (207.455), MERCEDES-BENZ E-Class Convertible (A207) E 350 (207.459), MERCEDES-BENZ E-Class Coupe (C207) E 500 (207.373), MERCEDES-BENZ E-Class Convertible (A207) E 500 (207.473), MERCEDES-BENZ C-Class T-modell (S204) C 180 CDI (204.200), MERCEDES-BENZ C-Class T-modell (S204) C 350 CDI (204.223), (+ 133)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – MERCEDES W203. TOOLS YOU MIGHT NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #21
- Combination spanner #22
- Drive socket # 8
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: front lower arm – Mercedes W203. AUTODOC recommends:

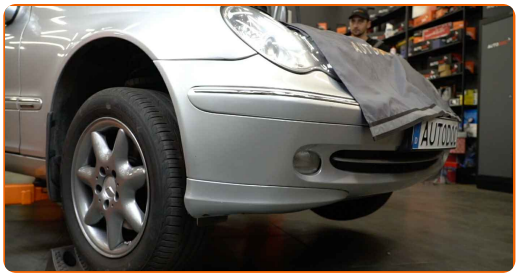
- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Mercedes W203 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the front of the car and secure on supports.



4 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W203

5 Remove the wheel.

6 Undo the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.

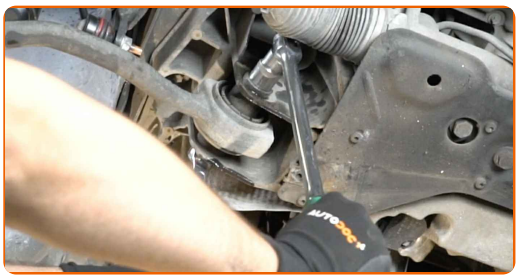
7 Remove the oil pan cover.

8 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

AUTODOC recommends:

- Replacement: front lower arm – Mercedes W203. After applying the spray, wait a few minutes.

9 Unscrew the fastener connecting the control arm to the subframe. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



10 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

AUTODOC recommends:

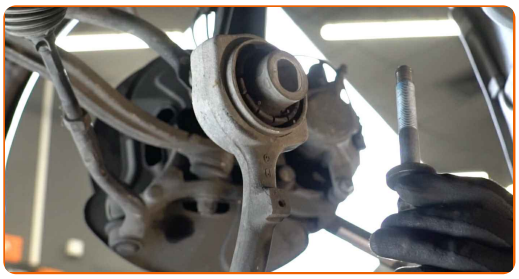
- Replacement: front lower arm – Mercedes W203. After applying the spray, wait a few minutes.

11 Unscrew the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #21.

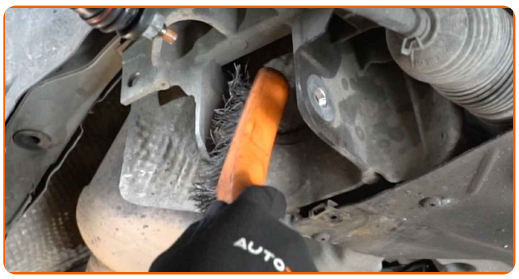
12 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.

13 Remove the fastening bolt.

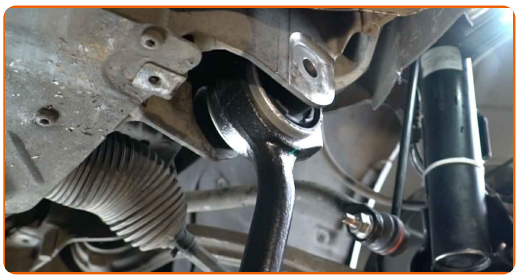
14 Remove the arm.



15 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



16 Install a new arm.



Replacement: front lower arm – Mercedes W203. Professionals recommend:

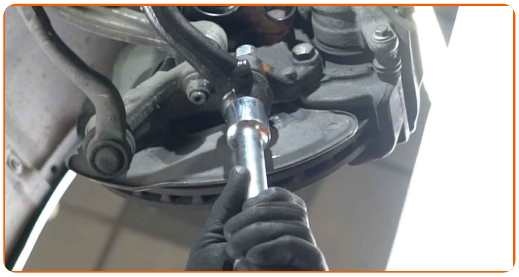
- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

17 Install the fastening bolt.

18 Connect the ball joint to the steering knuckle.

19 Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #22.

20 Support the arm. Use a hydraulic transmission jack.



21 Screw the fastener connecting the control arm to the subframe. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.

22 Tighten the rear fastener connecting the arm to the body subframe. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 80 Nm torque.+120°

AUTODOC recommends:

- Important! Be sure to use new fasteners.

23 Tighten the ball joint fastener. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.+60°

AUTODOC recommends:

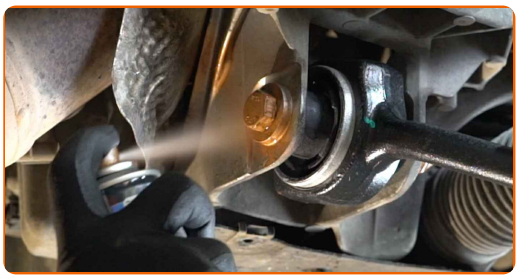
- Important! Be sure to use new fasteners.

24 Remove the support from under the arm.

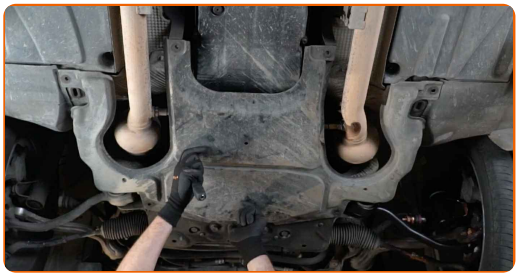
AUTODOC recommends:

- Replacement: front lower arm – Mercedes W203. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

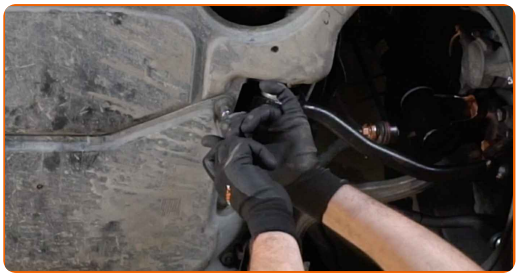
25 Treat all joints of the arm. Use copper grease.



26 Reinstall the oil pan lower cover.



27 Tighten the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.



28 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

29 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: front lower arm – Mercedes W203. After applying the spray, wait a few minutes.

30 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W203

31 Screw in the wheel bolts. Use wheel impact socket #17.

32 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

33 Remove the jacks and chocks.

WELL DONE!

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